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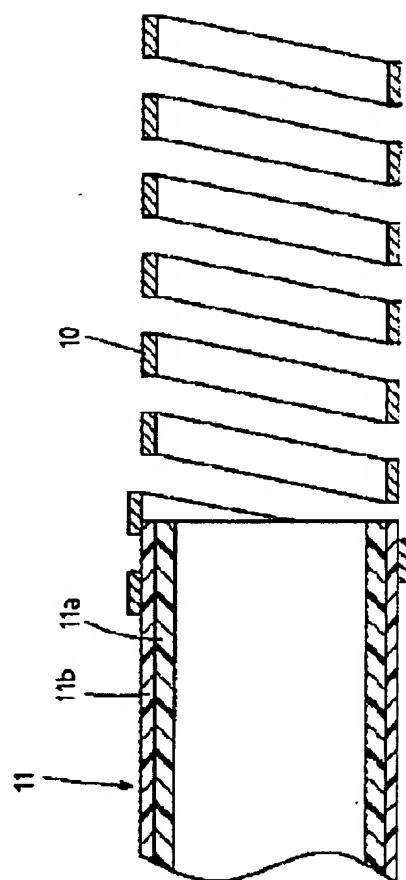
**MULTILAYER TUBE REINFORCING STRUCTURE OF ENDOSCOPE**

**Patent number:** JP2002204778  
**Publication date:** 2002-07-23  
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**Classification:**  
- international: **A61B1/00; F16L11/10; G02B23/24; A61B1/00; F16L11/04; G02B23/24; (IPC1-7): A61B1/00; F16L11/10; G02B23/24**  
- european:  
**Application number:** JP20010002098 20010110  
**Priority number(s):** JP20010002098 20010110

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**Abstract of JP2002204778**

**PROBLEM TO BE SOLVED:** To provide a multilayer tube reinforcing structure of an endoscope having good durability and not bringing about peeling off or the like between an inner layer and an outer layer causing buckling even when the multilayer tube inserted into and disposed in the endoscope is repeatedly bent in a small radius of curvature.  
**SOLUTION:** A spiral material 10 made of a metal and having springiness is wound in an elastically deformed state in a radially enlarging direction so that a clamping force is applied to a plurality of flexible tubes 11a and 11b constituting the multilayer tube 11.



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